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PN - JP7051677 A 19950228
TI - COMBINED ION AGGREGATING DEVICE
FI - C02F 1/46&102 ; C02F 1/52&Z
PA - TOKYO YOGYO KK
IN - TOCHIKUBO SHIGEO
AP - JP19930228228 19930819
PR - JP19930228228 19930819
DT - I

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AN - 1995-127550 [17]
TI - Composite ion aggregating apparatus - having anode or magnesium, aluminium or iron, and cathode in stable graphite or stainless steel.
AB - J07051677 An appts. has an anode of Mg, Al or Fe, forming positive charged polyvalent ion electrolysing and a cathode of physically and chemically stable graphite or stainless steel, metal ion in flocculant is changed to soluble polymer ion during the electrolysing and pollutants in waste water are neutralized by the metal ion, the soluble polymer ion and hydroxide.
- USE - For aggregating colloid components in waste water.
- (Dwg. 1/3)
IW - COMPOSITE ION AGGREGATE APPARATUS ANODE MAGNESIUM ALUMINIUM IRON CATHODE STABILISED GRAPHITE STAINLESS STEEL
PN - JP7051677 A 19950228 DW199517 C02F 1/463 006pp
IC - C02F 1/463 ; C02F 1/465 ; C02F 1/52
MC - D04-A01M J03-B02
- X25-H03
DC - D15 J03 X25
PA - (TOLY) TOKYO YOGYO KK
AP - JP19930228228 19930819
PR - JP19930228228 19930819

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TI - COMBINED ION AGGREGATING DEVICE
AB - PURPOSE: To efficiently aggregate and agglomerate ions by changing the metal ion of a flocculant into a soluble polymer ion with hydroxide ion to promote the formation of hydroxide and neutralizing the charge of the material to be removed with a fresh metal ion of the anode self, the soluble polymer ion and hydroxide.
- CONSTITUTION: A positive electrode 15 is connected to an aluminum base plate electrode 7 and a negative electrode 17 is connected from outside a liq. surface 16 to generate a positively charged polyvalent ion 18 of aluminum and a polymer ion 18 by electrolysis. In this case, the flocculant of metal salt simultaneously injected is combined with OH⁻ generated in large quantities by electrolysis, hydrolyzed and polymerized to form a soluble polymer ion. The charged dispersed particles are neutralized, cross-linked by the insoluble aluminum hydroxide simultaneously generated, agglomerated and floated to form a scum 12. An external fresh raw liq. is then introduced from an opening 5, and the process is repeated.
I - C02F 1/463 ; C02F 1/465
SI - C02F 1/52

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none

none

none

PA - TOKYO YOGYO CO LTD
IN - TOCHIKUBO SHIGEO
ABD - 19950630
ABV - 199505
AP - JP19930228228 19930819

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none

none

none

